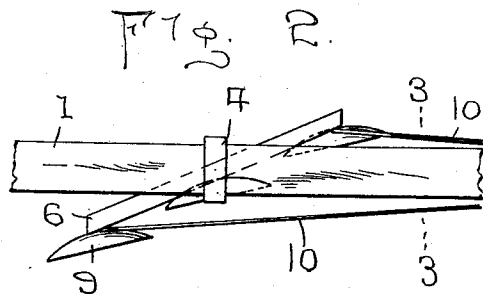
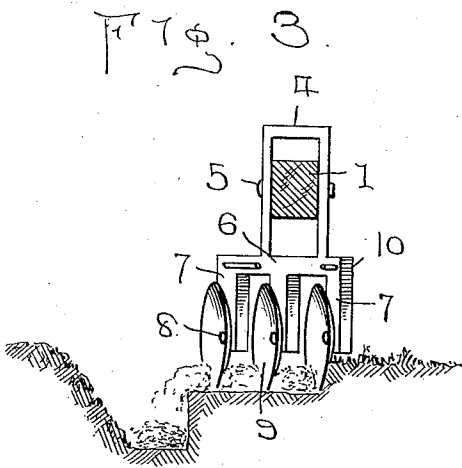
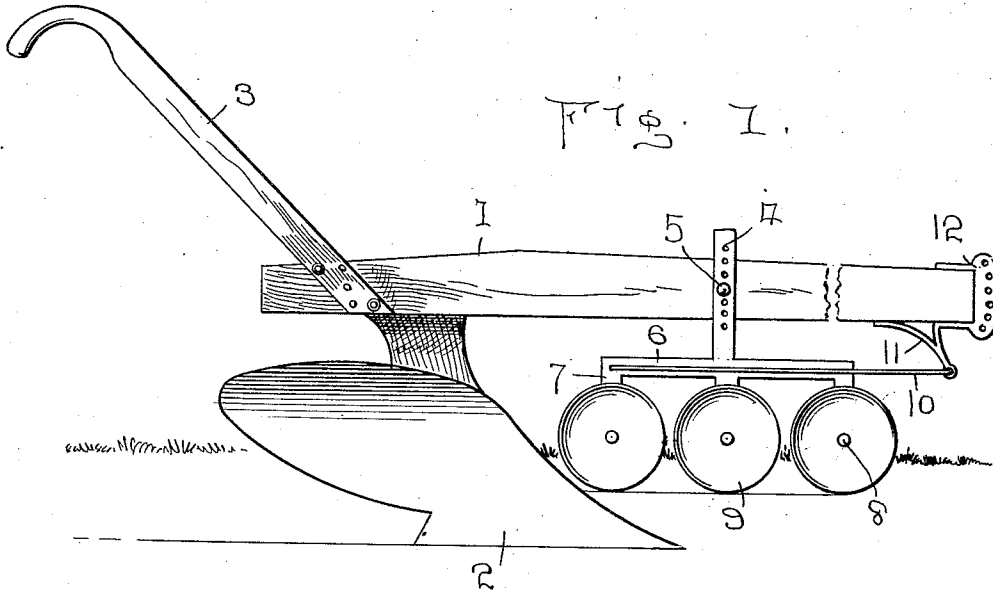


B. WEBB.  
SOIL PULVERIZER.  
APPLICATION FILED SEPT. 20, 1911.

1,056,864.

Patented Mar. 25, 1913.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

BARRACH WEBB, OF GREENVIEW, ILLINOIS.

## SOIL-PULVERIZER.

1,056,864.

Specification of Letters Patent.

Patented Mar. 25, 1913.

Application filed September 20, 1911. Serial No. 650,351.

*To all whom it may concern:*

Be it known that I, BARRACH WEBB, a citizen of the United States, residing at Greenview, in the county of Menard and State of Illinois, have invented certain new and useful Improvements in Soil-Pulverizers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to attachments for plows and more particularly to soil pulverizers.

15 An object of the invention is to provide an attachment for a plow which may be readily positioned upon the beam in front of the plow point and adjusted as desired.

20 Another object is to provide an attachment of this character which will effectively pulverize the earth in front of the plow and guide the pulverized soil into the adjacent furrow.

25 Another object is to provide an attachment of this character which may be readily attached upon the beam of a plow in front of the plow point and which will take the place of the ordinary cutter usually positioned at this point.

30 Other objects and advantages will be hereinafter set forth and pointed out in the specification and claims.

35 In the accompanying drawings which are made a part of this application, Figure 1 is a side elevational view of the plow having my attachment positioned thereupon. Fig. 2 is a fragmentary top plan view, and, Fig. 3 is a cross sectional view on the line 3—3 of Fig. 2.

40 Referring more particularly to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 represents the plow beam, 2 the plow point and 3 the handles, all of which may be of any form desired.

45 Fitting over the beam 1 is the U-shaped suspending bracket 4, the parallel portions of which are suitably perforated and positioned upon opposite sides of the beam 1, the perforations serving as openings through which the securing bolt 5 may be passed, it being understood that the bolt 5 also passes through the beam 1 and serves to retain an attachment in adjusted position. 55 Integral with the lower ends of the parallel vertical portions of the bracket 4 is the

cross bar 6 from the opposite ends of which depend the rigidly connected fingers 7, the purpose of which will presently appear. One or more fingers 7 may also be directed downwardly from a point or points between the end fingers 7, thus providing any number of fingers 7 as may be deemed desirable.

60 Secured to each finger 7, by means of a suitable bolt 8 or other securing means is a cutting and pulverizing disk 9. The disks 9 may be adjusted to any distance below the beam 1 by removing the bolt 5 and moving the suspending bracket 4 in the proper vertical direction, and securing the same in position by means of said bolt, as will be readily understood.

70 The cross bar 6, as will be noted, is positioned at an angle to the horizontal portion of the suspending bracket 4, thus throwing the disks 9 upon one of the end fingers 7 rearwardly of the other disks, while the disk upon the other end finger 7 is forwardly of the other disks. This also places the disks 9 at an angle to the longitudinal axes of the beam 1, causing them to shove the pulverized earth to one side, compelling said earth to fall into the adjacent furrow, as clearly shown in Fig. 3.

80 The attachment is braced by the bracing rods 10 having their rearward ends secured to the cross bars 6 near the opposite ends thereof, while their forward ends are engaged in the depending arm 11 carried by the clevis 12 or secured near the outer end of the beam 1. This soil pulverizer is especially desirable when preparing ground for sowing seed or in fact for any planting operation. When the plow carrying this attachment moves forward, the disks 9 will cut and pulverize the top layer and force the same to travel to one side and fall into the bottom of the adjacent furrow. As the plow point 2 produces a new furrow adjacent the furrow into which the pulverized soil has fallen, a portion of the earth loosened by the plow point 2 will be moved toward the first furrow and dropped into the same, covering the pulverized earth forced thereinto by the disks 9. Thus it will be seen that the top layer of earth, which often contains short sticks, grass, etc., is at the bottom of your furrow and covered by a thin layer of better quality soil, the whole process being performed in one operation. It will, therefore, be seen that as this attachment may be readily placed upon plows of va-

rious types and will be extremely effective in the performance of its duties, the work of preparing soil for planting purposes may be more readily and effectively accomplished with one operation.

Owing to the extreme simplicity of this device it may be cheaply manufactured and employed upon common implements, and if any of the parts, especially the disks, become loose or worn they may be readily repaired or replaced at a very low cost.

What I claim is:

1. The combination with a plow and beam; of a bracket adjustably secured over said beam, a cross bar carried by said bracket and disposed at an angle to said beam, fingers depending from said cross bar, disks rotatably mounted on the lower ends of said fingers, the cutting edges of said disks being arranged in different parallel planes obliquely in relation to the beam and spaced one from the other longitudinally of the beam, the cutting edge of the front disk being disposed on a line converging with the longitudinal center of the

beam rearwardly of said disk, and the cutting edge of the rear disk being disposed on a line converging with the longitudinal center of the beam forwardly of said disk.

2. The combination with a plow and beam; of a bracket positioned over said beam and having vertically spaced openings therein, a bolt positioned through one of said openings and through said beam, a cross bar carried by said bracket disposed at an angle to said beam, fingers depending from said cross bar, disks rotatably mounted on the lower ends of said fingers, the cutting edges of said disks being arranged in different parallel planes obliquely in relation to the beam, and spaced one from the other longitudinally of the beam.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BARRACH WEBB.

Witnesses:

CHARLES WEBB,  
A. M. CLINE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."